

[illegible]

```
0001 0 TITLE 'EDT$SCRREGION - set the scrolling region'
0002 0 MODULE EDT$SCRREGION ( ! Set the scrolling region
0003 0 IDENT = 'V04-000' ! File: SCRREGION.BLI Edit: SMB1006
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module outputs a sequence to change the scrolling region.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: September 8, 1979
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 ~ Original. DJS 12-Feb-1981. This module was created by
0045 1 extracting the routine EDT$SC SETSCLREG from module SCREEN.
0046 1 1-002 ~ regularize headers. JBS 13-Mar-1981
0047 1 1-003 ~ Don't set the scrolling region on a VT52. JBS 31-Aug-1982
0048 1 1-004 ~ Maintain the cursor position. JBS 05-Oct-1982
0049 1 1-005 ~ Add check for scrolling terminal. SMB 21-Oct-1982
0050 1 1-006 ~ Save the current top and bottom scrolling parameters. SMB 11-Jan-1983
0051 1
0052 1 --
```


EDT\$SCRREGION
V04-000

EDT\$SCRREGION - set the scrolling region
Declarations

L 7
16-Sep-1984 01:40:02
14-Sep-1984 12:24:35

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]SCRREGION.BLI;1

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```
.. 54 0053 1 XSBTTL 'Declarations'
.. 55 0054 1
.. 56 0055 1 TABLE OF CONTENTS:
.. 57 0056 1
.. 58 0057 1
.. 59 0058 1 REQUIRE 'EDTSRC:TRAROUNAM';
.. 60 0497 1
.. 61 0498 1 FORWARD ROUTINE
.. 62 0499 1 EDT$SC_SETSCLLREG : NOVALUE;
.. 63 0500 1
.. 64 0501 1
.. 65 0502 1 INCLUDE FILES:
.. 66 0503 1
.. 67 0504 1
.. 68 0505 1 REQUIRE 'EDTSRC:EDTREQ';
.. 69 0640 1
.. 70 0641 1
.. 71 0642 1 MACROS:
.. 72 0643 1
.. 73 0644 1
.. 74 0645 1 BIND
.. 75 0646 1 ESC_BRACKET = UPLIT (%STRING (%CHAR (ASC_K_ESC), 'E'));
.. 76 0647 1
.. 77 0648 1 LITERAL
.. 78 0649 1 ESC_BRACKET_LEN = 2;
.. 79 0650 1
.. 80 0651 1
.. 81 0652 1 EQUATED SYMBOLS:
.. 82 0653 1
.. 83 0654 1 NONE
.. 84 0655 1
.. 85 0656 1 OWN STORAGE:
.. 86 0657 1
.. 87 0658 1 NONE
.. 88 0659 1
.. 89 0660 1 EXTERNAL REFERENCES:
.. 90 0661 1
.. 91 0662 1 In the routine
```

EDT\$
V04

```

93 0663 1 %SBTTL 'EDT$$$SC_SETSCLLREG - set the scrolling region'
94 0664 1
95 0665 1 GLOBAL ROUTINE EDT$$$SC_SETSCLLREG (
96 0666 1     T,
97 0667 1     B,
98 0668 1     ) : NOVALUE =
99 0669 1
100 0670 1 ++
101 0671 1 FUNCTIONAL DESCRIPTION:
102 0672 1
103 0673 1     This routine puts the escape sequence to change the scrolling region
104 0674 1     into the format buffer. T and B define the top and bottom line of the
105 0675 1     desired scrolling region.
106 0676 1
107 0677 1 FORMAL PARAMETERS:
108 0678 1
109 0679 1     T                Top line
110 0680 1
111 0681 1     B                Bottom line
112 0682 1
113 0683 1 IMPLICIT INPUTS:
114 0684 1
115 0685 1     EDT$$G_TOP_SCREG
116 0686 1     EDT$$G_BOT_SCREG
117 0687 1     EDT$$G_TI_SCROLL
118 0688 1     EDT$$G_TI_TYP
119 0689 1
120 0690 1 IMPLICIT OUTPUTS:
121 0691 1
122 0692 1     EDT$$G_TOP_SCREG
123 0693 1     EDT$$G_BOT_SCREG
124 0694 1
125 0695 1 ROUTINE VALUE:
126 0696 1
127 0697 1     NONE
128 0698 1
129 0699 1 SIDE EFFECTS:
130 0700 1
131 0701 1     NONE
132 0702 1
133 0703 1 --
134 0704 1
135 0705 2 BEGIN
136 0706 2
137 0707 2 EXTERNAL ROUTINE
138 0708 2     EDT$$FMT_CH : NOVALUE,
139 0709 2     EDT$$FMT_DCML : NOVALUE,
140 0710 2     EDT$$FMT_LIT : NOVALUE,
141 0711 2     EDT$$$SC_POSCSIF : NOVALUE;
142 0712 2
143 0713 2 EXTERNAL
144 0714 2     EDT$$G_TOP_SCREG,
145 0715 2     EDT$$G_BOT_SCREG,
146 0716 2     EDT$$G_TI_SCROLL,
147 0717 2     EDT$$G_TI_TYP,
148 0718 2     EDT$$G_PRV_COL,
149 0719 2     EDT$$G_PRV_LN;

! Set the scrolling region
! Top line
! Bottom line

! Output a character
! Output a number is decimal
! Output a string without editing
! Position the cursor

! Current top parameter
! Current bottom parameter
! Scrolling terminal
! Terminal type
! Cursor column
! Cursor line
```

```

: 150      0720      2
: 151      0721      4
: 152      0722      3
: 153      0723      2
: 154      0724      2
: 155      0725      2
: 156      0726      2
: 157      0727      2
: 158      0728      2
: 159      0729      2
: 160      0730      2
: 161      0731      2
: 162      0732      2
: 163      0733      2
: 164      0734      2
: 165      0735      2
: 166      0736      2
: 167      0737      2
: 168      0738      2
: 169      0739      2
: 170      0740      2
: 171      0741      2
: 172      0742      2
: 173      0743      2
: 174      0744      1

      IF ((.EDT$$G_TI_TYP EQL TERM_VT100) AND (.EDT$$G_TI_SCROLL !
      AND ((.T NEQ .EDT$$G_TOP_SCREG) OR (.B NEQ .EDT$$G_BOT_SCREG)))
      THEN
      BEGIN
      EDT$$FMT_LIT (ESC_BRACKET, ESC_BRACKET_LEN);
      IF (.T NEQ 0) THEN EDT$$FMT_DCML (.T + 1);
      EDT$$FMT_CH (XC';');
      EDT$$FMT_DCML (.B);
      EDT$$FMT_CH (XC'r');
      +
      Setting the scrolling region homes the cursor.
      -
      EDT$$G_PRV_LN = 0;
      EDT$$G_PRV_COL = 0;
      +
      Save a copy of the current scrolling region parameters
      -
      EDT$$G_TOP_SCREG = .T;
      EDT$$G_BOT_SCREG = .B;
      END;
      END;

```

! of routine EDT\$\$\$SC_SETSCLLREG

.TITLE EDT\$SCRREGION EDT\$SCRREGION - set the scrolling
region

.IDENT \V04-000\

.PSECT _EDT\$CODE,NOWRT, SHR, PIC,2

00 00 5B 1B 00000 P.AAA: .ASCII <27>\[<0><0>

ESC_BRACKET= P.AAA

.EXTRN EDT\$\$FMT_CH, EDT\$\$FMT_DCML
.EXTRN EDT\$\$FMT_LIT, EDT\$\$\$SC_POSCSIF
.EXTRN EDT\$\$G_TOP_SCREG
.EXTRN EDT\$\$G_BOT_SCREG
.EXTRN EDT\$\$G_TI_SCROLL
.EXTRN EDT\$\$G_TI_TYP, EDT\$\$G_PRV_COL
.EXTRN EDT\$\$G_PRV_LN

56	00000000G	00	9E	00002	.ENTRY	EDT\$\$\$SC_SETSCLLREG, Save R2,R3,R4,R5,R6	: 0665
55	00000000G	00	9E	00009	MOVAB	EDT\$\$FMT_CH, R6	:
54	00000000G	00	9E	00010	MOVAB	EDT\$\$FMT_DCML, R5	:
53	00000000G	00	9E	00017	MOVAB	EDT\$\$G_BOT_SCREG, R4	:
02	00000000G	00	D1	0001E	MOVAB	EDT\$\$G_TOP_SCREG, R3	:
		00	D1	0001E	CMPL	EDT\$\$G_TI_TYP, #2	: 0721
		50	12	00025	BNEQ	3\$:
49	00000000G	00	E9	00027	BLBC	EDT\$\$G_TI_SCROLL, 3\$:
63	04	AC	D1	0002E	CMPL	T, EDT\$\$G_TOP_SCREG	: 0722
		06	12	00032	BNEQ	1\$:
64	08	AC	D1	00034	CMPL	B, EDT\$\$G_BOT_SCREG	:
		3D	13	00038	BEQL	3\$:
		02	DD	0003A	PUSHL	#2	: 0725

00000000G	00	BD	AF	9F	0003C	PUSHAB	ESC_BRACKET	
	52		02	FB	0003F	CALLS	#2, EDT\$FMT_LIT	
		04	AC	D0	00046	MOVL	T, R2	0727
			06	13	0004A	BEQL	24	
	65	01	A2	9F	0004C	PUSHAB	1(R2)	
			01	FB	0004F	CALLS	#1, EDT\$FMT_DCML	
			3B	DD	00052	PUSHL	#59	0729
	66		01	FB	00054	CALLS	#1, EDT\$FMT_CH	
		08	AC	DD	00057	PUSHL	B	0730
	65		01	FB	0005A	CALLS	#1, EDT\$FMT_DCML	
	7E	72	8F	9A	0005D	MOVZBL	#114, -(SP)	0731
	66		01	FB	00061	CALLS	#1, EDT\$FMT_CH	
		00000000G	00	D4	00064	CLRL	EDT\$G_PRV_LN	0735
		00000000G	00	D4	0006A	CLRL	EDT\$G_PRV_COL	0736
	63		52	D0	00070	MOVL	R2, EDT\$G_TOP_SCREG	0740
	64	08	AC	D0	00073	MOVL	B, EDT\$G_BOT_SCREG	0741
			04	00077	3\$: RET			0744

: Routine Size: 120 bytes,

Routine Base: _EDT\$CODE + 0004

: 175

: 176

0745 1

0746 1 !<BLF/PAGE>

EDT\$SCRREGION
VO4-000

EDT\$SCRREGION - set the scrolling region
EDT\$SC_SETSCLLREG - set the scrolling region

C 8
16-Sep-1984 01:40:02
14-Sep-1984 12:24:35

VAX-11 Bliss-32 V4.0-742
[EDT.SRC]SCRREGION.BLI;1

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: 178
: 179
: 180

0747 1 END
0748 1
0749 0 ELUDOM

! of module EDT\$SCRREGION

:

PSECT SUMMARY

:

Name

Bytes

Attributes

:

_EDT\$CODE

124 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

:

Library Statistics

:

File

----- Total ----- Symbols Loaded ----- Percent ----- Pages Mapped ----- Processing Time -----

:

\$255\$DUA28:[EDT.SRC]EDT.L32;1

377 2 0 40 00:00.2

:

\$255\$DUA28:[EDT.SRC]PSECTS.L32;1

2 1 50 7 00:00.1

:

COMMAND QUALIFIERS

:

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:SCRREGION/OBJ=OBJ\$:SCRREGION MSRC\$:SCRREGION.BLI/UPDATE=(ENH\$:S
CRREGION)

:

Size: 120 code + 4 data bytes

:

Run Time: 00:11.2

:

Elapsed Time: 00:12.6

:

Lines/CPU Min: 4012

:

Lexemes/CPU-Min: 10955

:

Memory Used: 68 pages

:

Compilation Complete

0139

AH-BT13A-SE
VAX/VMS V4.0

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